Listing of All Claims Including Current Amendments

1. (currently amended) A device in a vehicle brake arrangement for determining ~~the~~ an applied brake force, comprising an electric motor, a thrust rod gear driven by the motor, a thrust rod that applies a brake force when the gear is driven, an enclosed elastically deformable medium, on which ~~the~~ a reaction force from the brake force is to act, and a force sensor located remotely from the elastically deformable medium, characterized in that an axially movable push rod is in contact with the medium, which axially moveable push rod transmits a force from the elastically deformable medium to the remotely located force sensor, which sensor transmits a signal to the electric motor that causes the motor to stop the application of brake force when a desired amount of force has been attained.

2. (currently amended) A device according to claim 1, characterized in that the force sensor comprises a fixed force-receiving cup, in which the end of the push rod opposite the medium engages and which is provided with a sensor element ~~in its region~~ for the engagement with the push rod.

3. (previously presented) A device according to claim 2, characterized in that the push rod in the region for its engagement with the force-receiving cup is provided with a guiding and centering O-ring.

4. (withdrawn) A device according to claim 2, characterized in that the push rod is rigidly supported by a housing and along its length is provided with a force-sensing means.

5. (withdrawn) A device according to claim 4, characterized in that the force-sensing means is an integrated portion of the push rod or connected therein.

6. (withdrawn) A device according to claim 5, characterized in that the push rod has a portion with reduced diameter in contact with the pressure-transmitting medium, said portion being surrounded by a sealing ring.

7. (withdrawn) A device according to claim 6, characterized in that the brake force is transmitted the pressure-transmitting medium by a ring.